

ABSTRACT

A gas stream containing nitrous oxide and ammonia is contacted with a catalyst composition containing a zeolite. N_2O is reduced to N_2 and H_2O at low temperatures in a highly efficient manner. Ammonia-mediated reduction of nitrous oxide can be effectuated from gas streams having N_2O concentrations as low as 1%. The gas stream may also contact a catalytic composition selective for the reduction of NO_x . In this way, N_2O and NO_x treatment may be effectuated in a single process stream.